

ABSTRACT

The present invention provides a bolt tightening structure of a magnesium alloy member capable of insulating between magnesium alloy members and steel or other bolts without lowering the bolt shaft power, and preventing occurrence of electrolytic corrosion if contacting with electrolyte such as water. This is a bolt tightening structure of a magnesium alloy member for tightening magnesium alloy members with each other or a magnesium alloy member and a heterogeneous material by means of a bolt. Cationic electrodeposition coating having a film thickness of $15\text{ }\mu\text{m}$ or more is provided at least on the surface of the magnesium alloy member contacting with a bolt head, a powder coating having a film thickness of 40 to $150\text{ }\mu\text{m}$ is provided on surface of the cationic electrodeposition coating, zinc-nickel plating and then cosmer treatment are carried out on the bolts, and an alumite-treated aluminum washer is interposed between the bolt head and the magnesium alloy member.